

OAK RIDGE NATIONAL LABORATORY

OPERATED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX X
OAK RIDGE, TENNESSEE 37831

September 29, 1987

Mr. Michael Marelli
Health Physics Branch
Office of Nuclear Safety
EH-331.2
U.S. Department of Energy
Washington, DC 20545

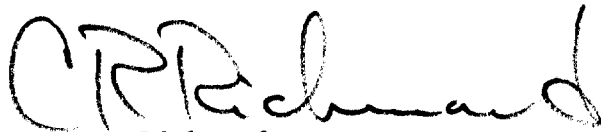
Dear Mr. Marelli:

Enclosed is a letter and proposal which I recently received from Dr. Emilo Iranzo from CIEMAT in Madrid. Emilo asked me to forward the information to the project officer in Washington.

Please note the last paragraph in Dr. Iranzo's letter. He is getting very concerned about the lack of commitment on the part of the USDOE.

Best personal regards.

Sincerely,

A handwritten signature in dark ink, appearing to read "C. R. Richmond". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

C. R. Richmond
Associate Laboratory Director for
Biomedical and Environmental Sciences

CRR:bpw

Enclosure

cc:wo/enc: E. Iranzo



MINISTERIO DE INDUSTRIA Y ENERGIA
CENTRO DE INVESTIGACIONES ENERGETICAS
MEDIOAMBIENTALES Y TECNOLOGICAS
(C. I. E. M. A. T.)

Madrid, September 1, 1987

Mr. M. Marelli
U S DOE

Dear Sir:

In order to integrate our funding requirements for contract DE-GIO1-82EP12126 (Indalo Project) with your budget cycles as it was suggested last year by Dr. Richmond, I am sending to you in detail our current estimated cost for the experimental and surveillance work to be carried out during the period February 1, 1988 to January 31, 1989 in relation to the Palomares accident.

Our estimation has been made on the basis of quantitative activities similar to the last year one's. The cost has been increased a 5% in relation with the cost of last year to take into consideration the 5% inflation in our country for this year.

In Table 1 have been detailed the cost for the analyses to be made. In Table 2 are included with some detail the cost of each item and the total cost of the Project for 1988. Total cost amount to 99,554 kpts. To day exchange rate for dollar is 123 pts, so the total cost amount to 889,382 \$.

In the 889,382 \$ are included the annual amortization for the measurement equipments sent free to us by the Department of Energy along the years. So, the cost of the Project for 1988, without the cost of equipment amortization, amount to 827,366 \$.

C I E M A T	Instituto P. R. Y. M. A.	
	C.O. MEDIO AMBIENTE Y TECNOLOGIA	
	ENTRADA	
	SALIDA	82
	FECHA	1-9-87

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MINISTERIO DE INDUSTRIA Y ENERGIA
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Our funds requirements for 1988 amount to 550,000 \$.

We have not as yet received funding for the period February 1, 1987 to January 31, 1988 and the year is at it last quarter. Can you please check into the problem for us ?. I will appreciate any information about it.

Sincerely yours.

Fd. E. Iranzo
Head of Indalo Project
(DE-GIO1-82EP12126)

TABLE 1. BUDGET OF INDALO PROJECT ANALYSES FOR 1988

A N A L Y S E S		PERSONNEL men-hour				C O S T S, kpts				
	Nº	SCIENTISTS	TECHNICIANS	PERSONNEL		OVERHEADS	SUPPLIES	MEASURE- MENTS. EQUIPMENT	TOTAL	
				SCIENTISTS	TECHNICIANS					
PEOPLE										
Urine - Pu	180	225	576	534	757	1,937	256	750	4,234	
Urine - Am	180	252	540	596	710	1,959	256	750	4,271	
L.R.C.	100	100	100	238	137	563	30	309	1,277	
Medical Survey	150	300	946	710	1,242	2,928	307	912	6,099	
ENVIRONMENT										
Soil - Pu	100	120	175	284	231	773	364	137	1,789	
Soil - Am	600	300	600	712	788	2,250	202	2,734	6,686	
Air - Pu	156	195	624	464	819	1,925	423	426	4,057	
Air - Am	80	112	320	266	420	1,029	218	219	2,152	
Vegetación - Pu	90	108	329	256	433	1,034	208	124	2,055	
Vegetation - Am	90	49	97	116	128	366	63	442	1,115	
Animals - Pu	50	120	320	285	420	1,058	183	209	2,155	
Animals - Am	50	70	250	167	329	744	183	209	1,632	
Water - Pu	5	7	19	15	25	60	12	7	119	
T O T A L	1,831	1,958	4,896	4,643	6,439	16,626	2,705	7,228	37,641	

TABLE 2. INDALO PROJECT BUDGET FOR 1988

C O S T S, kpts.					
C O N C E P T	C O M P O N E N T S				
	T O T A L	P E R S O N N E L	O V E R H E A D S	S U P P L I E S	E Q U I P M E N T
PEOPLE					
Radiological Analyses	9,782	2,972	4,459	542	1,809
Medical Survey	6,099	1,952	2,928	307	912
ENVIRONMENT					
Soil Analyses	8,475	2,015	3,023	566	2,871
Air Analyses	6,209	1,969	2,954	641	645
Vegetation Analyses	3,170	933	1,400	271	566
Animal Analyses	3,787	1,201	1,802	366	418
Water Analyses	119	40	60	12	7
Soil Sampling	386	150	225	11	
Air Sampling	1,140	274	411	55	400
Vegetation and Animals Sampling	1,400	547	821	32	
Other activities	821	329	492		
MANAGEMENT, ADMINISTRATION, REPORTS, etc.					
1 TS x 8; 1 TS x 2,7;					
1 F x 0,9	39,845	15,938	23,907		
PALOMARES HOUSE AND EQUIPMENT MAINTENANCE	1,626				
TRAVEL AND PER DIEM					
Palomares people	5,775	5,775			
C.I.E.M.A.T. people	1,890	1,890			
Others	630	630			
SPECIAL STUDIES	8,400				
T O T A L	99,554	36,615	42,482	2,803	7,628